

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A device ~~Device~~ for the implantation of occlusion helixes ~~[(3)]~~ that can be separated by electrolysis in blood vessels and body cavities, ~~especially~~ such as aneurysms ~~[(12)]~~, said device comprising:

an insertion aid ~~[(4),]~~;

at least one occlusion helix ~~[(3)]~~ that is distally arranged in relation to the insertion aid ~~[(4)]~~, the at least one occlusion helix comprising a longitudinally-oriented lumen;

a securing means extending through the lumen to a distal front section of the at least one occlusion helix; and

at least one electrolytically corrodible severance element ~~[(2)]~~, with at least one stabilization helix ~~[(5)]~~ being arranged between the at least one electrolytically corrodible severance element [(2)] and the at least one occlusion helix [(3)],~~characterized in that~~

said stabilization helix ~~[(5)]~~ being connected to ~~with~~ the at least one occlusion helix [(3)] ~~by~~ with an electrically isolating adhesion layer ~~[(7)]~~ such that the at least one occlusion helix [(3)] becomes isolated from the voltage when an electrical voltage when the electrical voltage is applied to the at least one electrolytically corrodible severance element [(2)],

wherein said at least one securing means is connected to the distal front section of the at least one occlusion helix with a distal electrically isolating distal adhesion layer.

2. (Currently Amended) The device according to claim 1, ~~characterized in that~~ wherein the stabilization helix [(5)] is provided with comprises an electrically isolating coating ~~[(11)]~~.

3. (Currently Amended) The device according to claim 1 ~~or 2~~, ~~characterized in that~~ wherein the securing means [(6)] extends longitudinally through the lumen of the occlusion helix [(3)].

4. (Currently Amended) The device according to claim ~~1,3~~, ~~characterized in that~~ wherein the securing means [(6)] consists of comprises a material having shape-memory properties.

Appl. No. : 10/597,299
Filed : August 12, 2008

5. (Currently Amended) The device according to claim 4, ~~characterized in that~~ wherein the securing means ~~[[6]] is configured to undergoes transformation~~ and assume~~[[s]]~~ a previously impressed structure configuration when placed into the blood vessel or body cavity.

6. (Currently Amended) The device according to claim ~~1, 4 or 5,~~ characterized in that ~~wherein~~ the securing means ~~[[6]] consists of~~ comprises Nitinol.

7. (Currently Amended) ~~The device~~ Device according to claim 1, ~~any one of the claims 3 to 6,~~ characterized in that ~~wherein~~ at least one securing means ~~[[6]]~~ extends from the stabilization helix ~~[[5]]~~ to the distal front section ~~[[8]]~~ of the at least one occlusion helix ~~[[3]].~~

8. (Currently Amended) ~~The device~~ Device according to claim 7, ~~characterized in that~~ wherein said at least one securing means ~~[[6]]~~ is connected with the distal front section ~~[[8]]~~ of the at least one occlusion helix ~~[[3]]~~ via an electrically isolating distal adhesion layer ~~[[9]]~~ ~~which serves~~ configured to isolate the occlusion helix ~~[[3]]~~ from an electrical voltage applied to the severance element ~~[[2]].~~

9. (Currently Amended) The device according to claim 1, ~~any one of claims 3 to 8,~~ ~~characterized in that~~ wherein the securing means ~~[[6]]~~ is provided with an electrically isolating coating.

10. (Currently Amended) The device according to claim 1, ~~any one of claims 3 to 9,~~ ~~characterized in that~~ wherein the at least one occlusion helix ~~[[3]]~~ is ~~provided at least on its~~ comprises an inner side with an electrically isolating coating.

11. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 10,~~ ~~characterized in that~~ wherein the at least one occlusion helix ~~[[3]]~~ is provided with a plurality of ~~several~~ spaced electrolytically corrodible severance elements ~~[[2]].~~

12. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 10,~~ ~~characterized by several~~ further comprising a plurality of spaced occlusion helices ~~[[3]],~~ with an ~~one~~ electrolytically corrodible severance element ~~[[2]]~~ ~~each being~~ arranged between each of the individual spaced occlusion helices ~~[[3]].~~

13. (Currently Amended) The device according to claim 11 ~~or 12,~~ ~~characterized in that~~ further comprising a ~~one~~ securing means ~~[[6]]~~ ~~each is~~ arranged in ~~the~~ a segment~~[[s]]~~ of the at

Appl. No. : **10/597,299**
Filed : **August 12, 2008**

least one occlusion helix ~~[[3]]~~ located between the plurality of spaced electrolytically corrodible severance elements ~~[[2]]~~ ~~or in the individual occlusion helices (3)~~.

14. (Currently Amended) The device according to claim 13, ~~characterized in that~~ wherein at least ~~some~~ one of the securing means ~~(6) in each case~~ extends from one stabilization helix ~~[[5]]~~ connected by a severance element ~~[[2]]~~ to the next distally located stabilization helix ~~[[5]]~~.

15. (Currently Amended) The device according to claim 13, ~~characterized in that~~ wherein at least ~~some~~ one of the securing means ~~[[6]]~~ extends from one severance element ~~[[2]]~~ to the next distally located severance element ~~[[2]]~~.

16. (Currently Amended) The device according to claim 11, ~~any one of claims 11 to 15,~~ ~~characterized in that~~ wherein the plurality of spaced electrolytically corrodible severance elements ~~[[2]]~~ are connected with each other so as to be electrically conductive via the securing means ~~[[6]]~~ extending through the lumen of the at least one occlusion helices ~~(3)~~.

17. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 16,~~ ~~characterized in that~~ wherein the electrically isolating adhesion layers ~~(7, 9) and/or the electrically isolating coatings (11) consist of~~ comprises an acrylate adhesive.

18. (Currently Amended) The device according to claim 217, ~~characterized in that~~ wherein the electrically isolating coating comprises an acrylate adhesive ~~is PermaBond~~.

19. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 18,~~ ~~characterized in that~~ wherein the at least one electrolytically corrodible severance element ~~[[s (2)]]~~ ~~are made of~~ comprises a steel alloy material.

20. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 19,~~ ~~characterized in that~~ wherein the at least one electrolytically corrodible severance elements ~~(2)~~ are is pre-corroded.

21. (Currently Amended) The device according to claim 1, ~~any one of claims 1 to 20,~~ ~~characterized in that~~ wherein the occlusion helices ~~(3) are made of~~ comprise the material selected from the group consisting of platinum ~~or~~ a platinum alloy, ~~in particular~~ and a platinum-iridium alloy.

22. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 21,~~ ~~characterized in that~~ wherein the insertion aid is a guide wire ~~[[4]]~~.

Appl. No. : **10/597,299**
Filed : **August 12, 2008**

23. (Currently Amended) The device according to claim 1, ~~any one of the claims 1 to 22,~~
~~characterized in that~~ wherein said device is ~~provided in the form of~~ a micro-catheter ~~[[1]]~~.

24. (Cancelled)